PDF SHARE FORMS

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Fill-in form with information from lookup column

Product: PDF Share Forms Enterprise for SharePoint 2013

Contents

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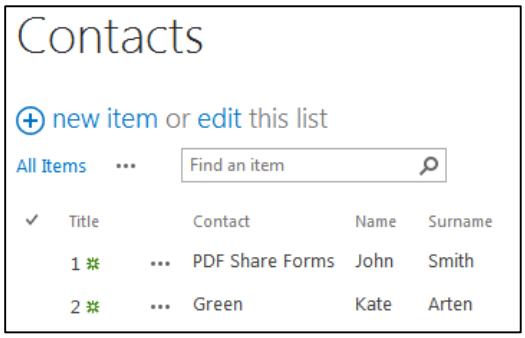
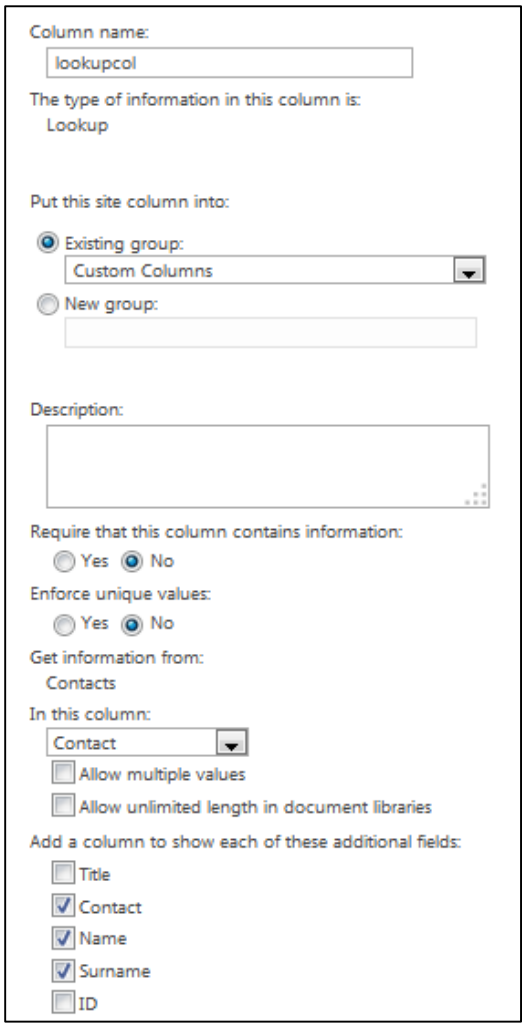
This guide describes steps to fill in a form with information from a lookup column.

Prepare column

Step 1. Create list or library that will be used for lookup column. This list used for example



Step 2. Create lookup column that will be connected to earlier created list



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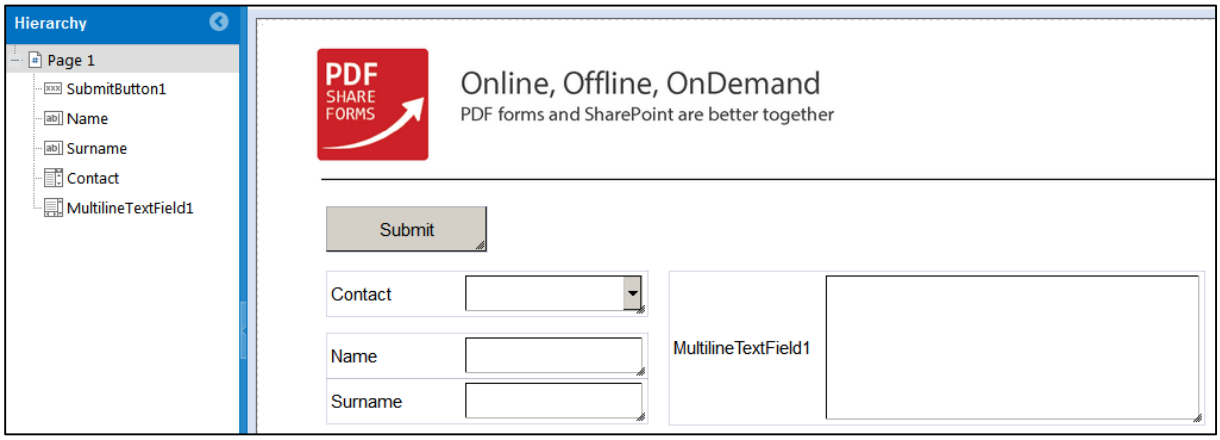
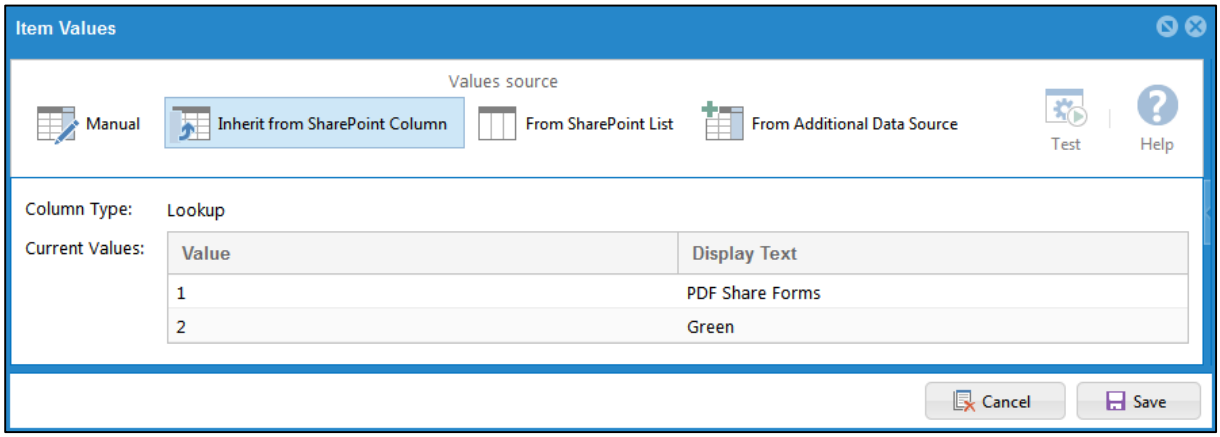
Dynamic (XFA) form

Step 1. Prepare template



Template contains: Contact – dropdown field that will be used for displaying lookup values; MultilineTextField1 – will be used to store lookup values for dropdown field; Name and Surname – text fields that will be populated with information depending on "Contact" dropdown.

Step 2. Set "**Contact**" dropdown field to "**Inherit from SharePoint Column**". Choose dropdown field and navigate to **Properties → Item Values → Inherit from SharePoint Column**



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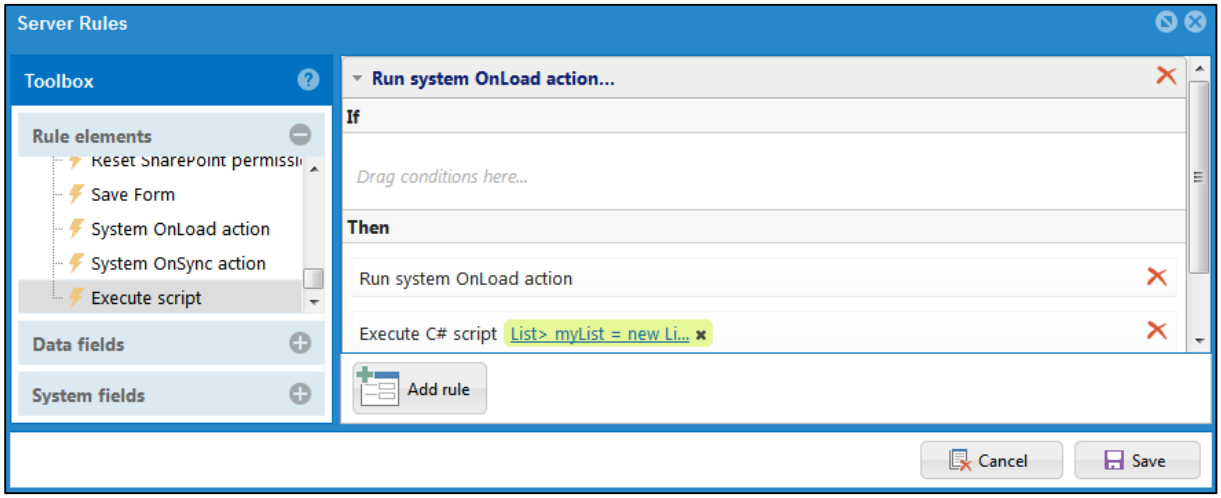
Step 3. Add **Execute C# script action** to Form Load event (**Developer → Form Load**)



Script:

```
SPList list = currentWeb.Lists["Guides"];
SPListItemCollection items = list.Items;
List<Dictionary<string,string>> myList = new List<Dictionary<string,string>>();
var lklist = SPContext.Current.Web.Lists["Guides"]; //list name hould be specified
var field = lklist.Fields.GetField("lookupcol"); //column name must be specified
var lookupField = field as SPFieldLookup;
var lookupList = lklist.ParentWeb.Lists[Guid.Parse(lookupField.LookupList)];
var query = new SPQuery();
foreach (SPListItem item in lookupList.GetItems(query)){
    Dictionary<string,string> myDictionary = new Dictionary<string,string>(){
//values that are marked with red are used as dictionary keys and should be specified
        {"Contact",item[lookupField.LookupField].ToString()},
        {"Name", item["Name"].ToString()},
        {"Surname", item["Surname"].ToString()}
    };
myList.Add(myDictionary);}
JavaScriptSerializer serializer = new JavaScriptSerializer();
data.resolveNode("MultilineTextField1").Value = serializer.Serialize(myList);
//this part create mapping between SharePoint and form
for (int i = 0; i < items.Count; i++){
      SPListItem item = items[i];
      if (item.UniqueId.ToString() == form.DocumentID.ToString())
      {Regex regex = new Regex("#(.*)");
            var v = regex.Match(item["lookupcol"].ToString());
        data.resolveNode("Contact").Value = v.Groups[1].ToString();}
}
foreach (SPListItem item in lookupList.GetItems(query)){
    if(item[lookupField.LookupField].ToString()== data.resolveNode("Contact").Value){
        data.resolveNode("Name").Value = item["Name"].ToString();
        data.resolveNode("Surname").Value = item["Surname"].ToString();}
}
```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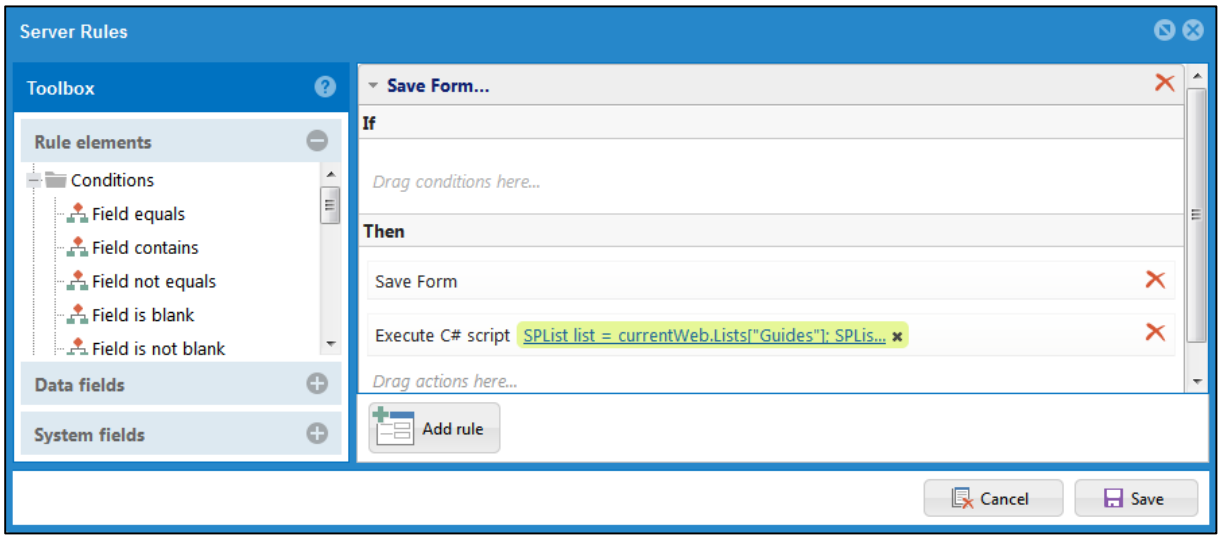
This code will extract values from lookup column that is mapped to the **Contacts** dropdown field and will save all values to **MultilineTextField1**.

Step 4. Add **Execute C# script action** after **Save Form** action to Form Submit event (**Developer → Form Submit**)



Script:

```
//values that are marked with red should be specified for proper cases
SPList list = currentWeb.Lists["Guides"];
SPListItemCollection items = list.Items;
var lookupID = "";
var lklist = SPContext.Current.Web.Lists["Guides"];
var field = lklist.Fields.GetField("lookupcol");
var lookupField = field as SPFieldLookup;
var lookupList = lklist.ParentWeb.Lists[Guid.Parse(lookupField.LookupList)];
var query = new SPQuery();
foreach (SPListItem item in lookupList.GetItems(query))
{
    if(item[lookupField.LookupField].ToString() == data.resolveNode("Contact").Value)
    {lookupID = item.ID.ToString(); }
}
for (int i = 0; i < items.Count; i++)
{
       SPListItem item = items[i];
       if (item.UniqueId.ToString() == form.DocumentID.ToString())
       {item["lookupcol"] = lookupID;
       item.Update();}
}
```

This code check which value is selected in dropdown and updates form's lookup column value in library.

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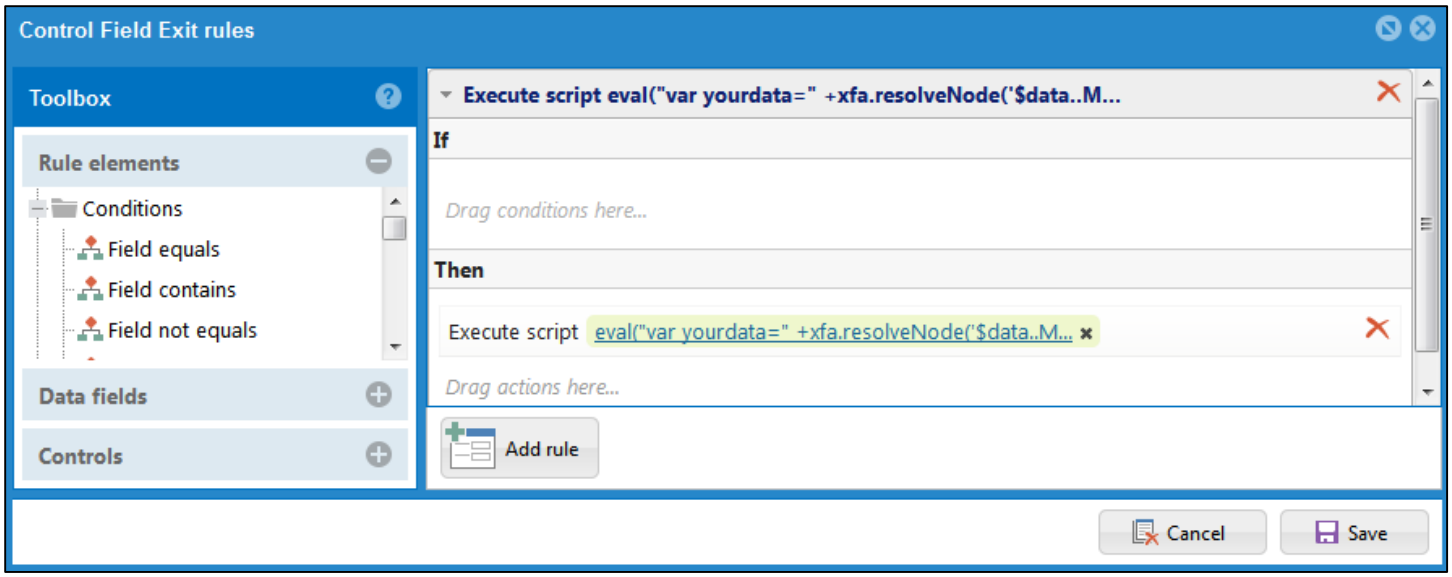
Step 5. Add script to "**Form Ready**" event (**Developer → Global events → Form Ready**)

```
//field names should be specified
eval("var yourdata=" +xfa.resolveNode('$data..MultilineTextField1').value+ ";");
var dropdown = xfa.resolveNode('$form.Root.Default..Contact');
var i = 0;
if (dropdown.length == 0){
    for(i = 0;i< yourdata.length; i++ ){
        dropdown.addItem(yourdata[i].Contact);
    }
}
```

This code populates **Contac** dropdown field with lookup values stored inside **MultilineTextField1**.

Step 6. Add **Execute script** action to "**Field Exit"** event for **Contact** dropdown field. Choose **Contact** dropdown field → **Properties → Actions → Field Exit**



Script:

```
eval("var yourdata=" +xfa.resolveNode('$data..MultilineTextField1').value+ ";");
var dropdown = xfa.resolveNode('$data..Contact').value;
for(var i = 0;i< yourdata.length; i++ ){
    //name depends on key value in MultilineTextField
    if(yourdata[i].Contact.toString()==dropdown){
        //fields must be specified
        xfa.resolveNode("$data..Name").value = yourdata[i].Name;
        xfa.resolveNode("$data..Surname").value = yourdata[i].Surname;
    }
}
```

This script will populate **Name** and **Surname** text fields with information from **MultilineTextField1** depending on selected **Contact** dropdown field value.

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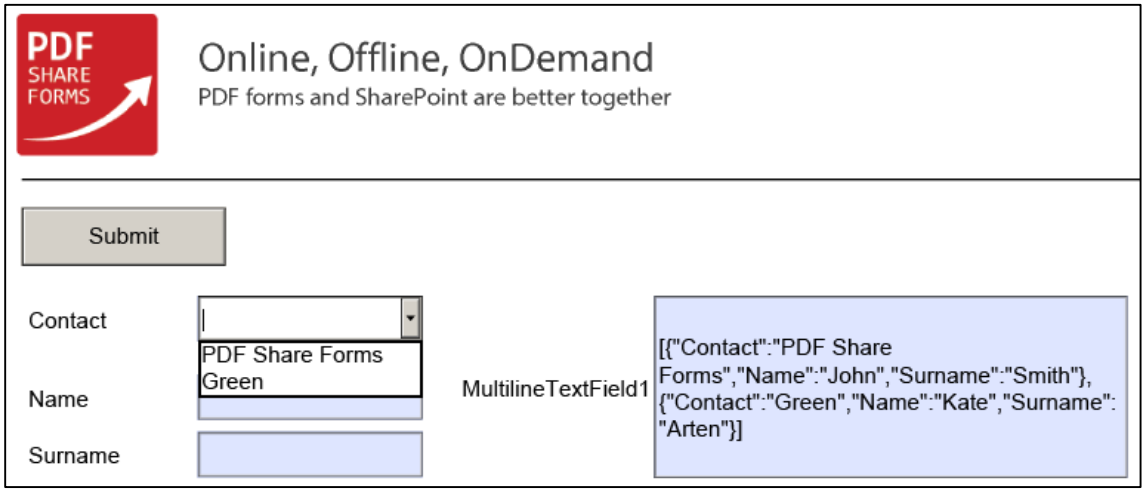
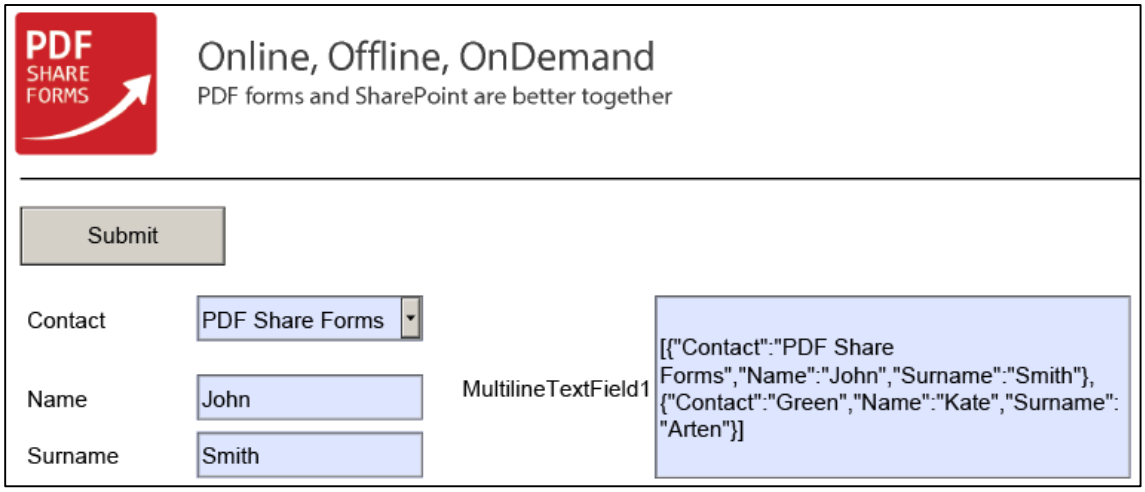
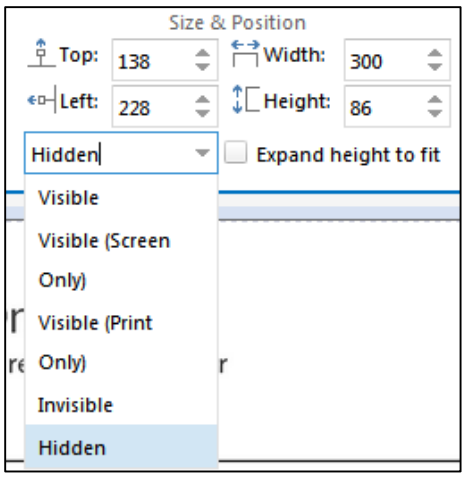
Step 7. Runtime



Step 8.1 Choose dropdown value



NOTE: **MultilineTextField1** should be set to “Hidden”. Choose field → **Properties** → **Size & Position**



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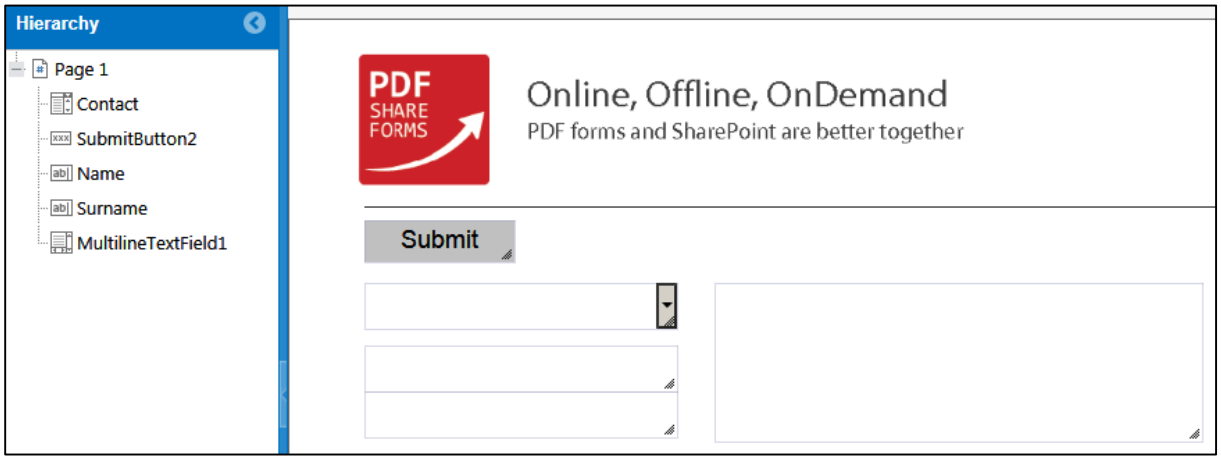
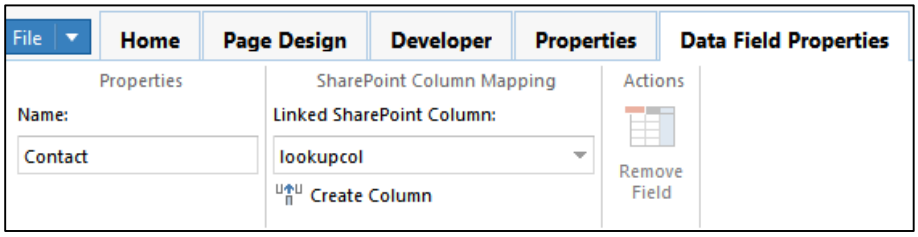
Static (Acro) from

Step 1. Prepare template

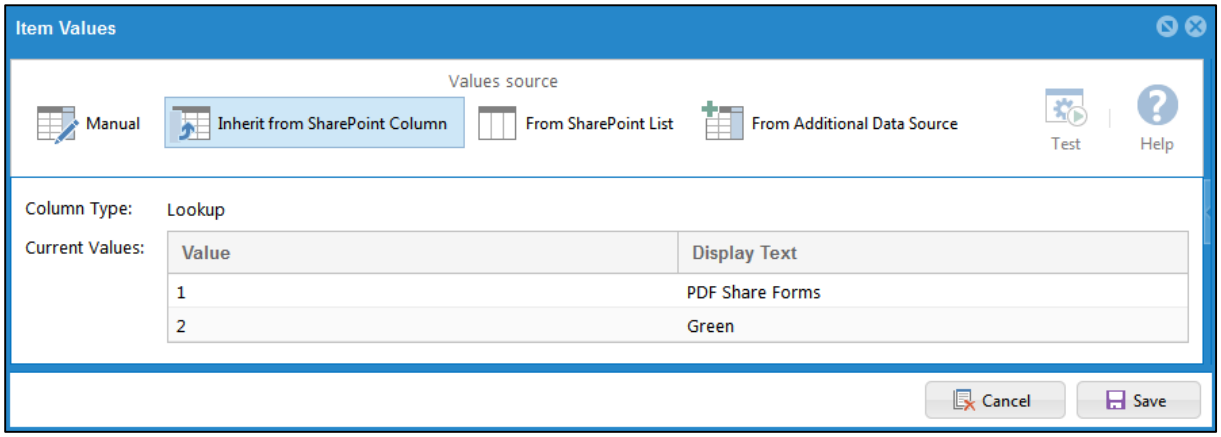


Template contains: Contact – dropdown field that will be used for displaying lookup values; MultilineTextField1 – will be used to store lookup values for dropdown field; Name and Surname – text fields that will be populated with information depending on "Contact" dropdown.

Step 2. Map "lookupcol" column to the Contact dropdown field. Choose dropdown **→ Data Field Properties → SharePoint Column Mapping**



Step 3. Set "**Contact**" dropdown field to "**Inherit from SharePoint Column**". Choose dropdown field and navigate to **Properties → Item Values → Inherit from SharePoint Column**



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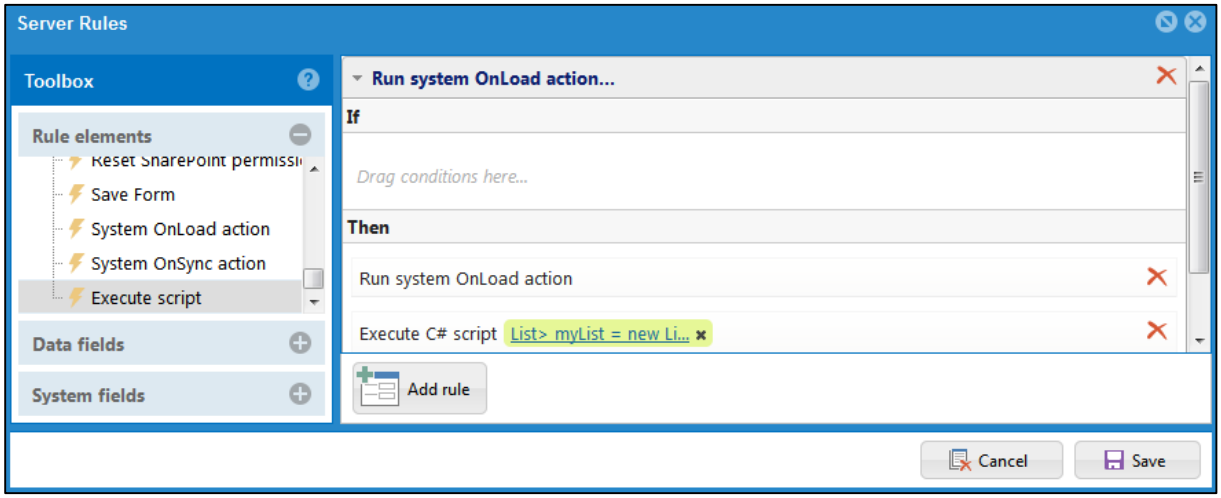
Step 4. Add **Execute C# script action** to Form Load event (**Developer → Form Load**)



Script:

```
List<Dictionary<string,string>> myList = new List<Dictionary<string,string>>();
var list = SPContext.Current.Web.Lists["Guides"]; //list name hould be specified
var field = list.Fields.GetField("lookupcol");    //column name must be specified
var lookupField = field as SPFieldLookup;
var lookupList = list.ParentWeb.Lists[Guid.Parse(lookupField.LookupList)];
var query = new SPQuery();
foreach (SPListItem item in lookupList.GetItems(query))
{
    Dictionary<string,string> myDictionary = new Dictionary<string,string>(){
        //values that are marked with red are used as dictionary keys and should be specified
        {"Contact",item[lookupField.LookupField].ToString()},
        {"Name", item["Name"].ToString()},
        {"Surname", item["Surname"].ToString()}
    };
    myList.Add(myDictionary);
}

JavaScriptSerializer serializer = new JavaScriptSerializer();
data.resolveNode("MultilineTextField1").Value = serializer.Serialize(myList);
```

This code will extract values from lookup column that is mapped to the **Contacts** dropdown field and will save all values to **MultilineTextField1**.

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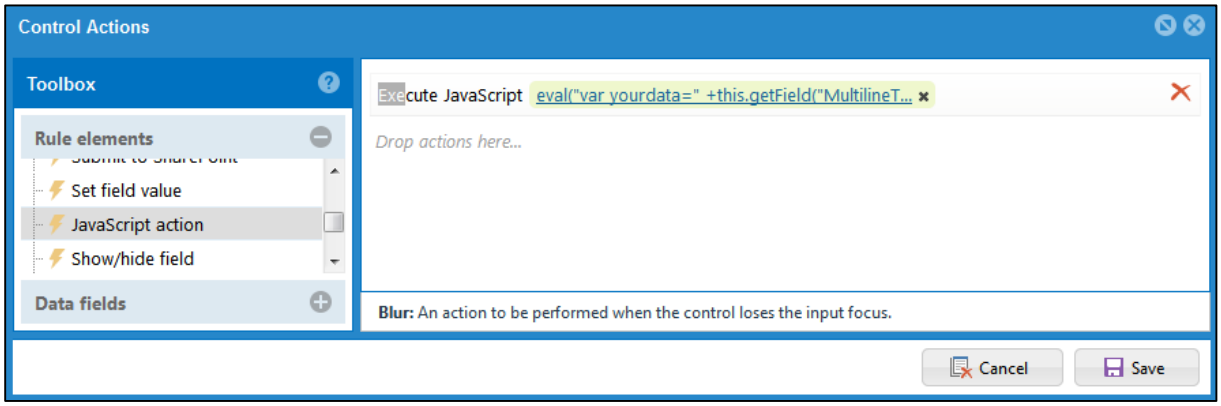
Step 5. Add "**Global JavaScript**" event (**Developer → Global JavaScript**)

```
//field names should be specified
eval("var yourdata=" + this.getField("MultilineTextField1").value + ";");
var dropdown = this.getField("Contact");
if (dropdown.length == 0){
    for(var i = 0;i< yourdata.length; i++ ){
        dropdown.insertItemAt(yourdata[i].Contact.toString(),yourdata[i].Contact.toString(),i);
    }
}
//this part populates text field based on dropdown value
eval("var yourdata=" +this.getField("MultilineTextField1").value+ ";");
for(var i = 0;i< yourdata.length; i++ ){
    if((i+1).toString()==this.getField("Contact").value){
        this.getField("Name").value = yourdata[i].Name;
        this.getField("Surname").value = yourdata[i].Surname;
    }
}
```

This code populates **Contac** dropdown field with lookup values stored inside **MultilineTextField1**.

Step 6. Add **Execute JavaScript** action to "**Blur"** event for **Contact** dropdown field. Choose **Contact** dropdown field → **Properties → Actions → Blur**



Script:

```
eval("var yourdata=" +this.getField("MultilineTextField1").value+ ";");
for(var i = 0;i< yourdata.length; i++ ){
    if((i+1).toString()==this.getField("Contact").value){
        //fields must be specified
        this.getField("Name").value = yourdata[i].Name;
        this.getField("Surname").value = yourdata[i].Surname;
    }
}
```

This script will populate **Name** and **Surname** text fields with information from **MultilineTextField1** depending on selected **Contact** dropdown field value.

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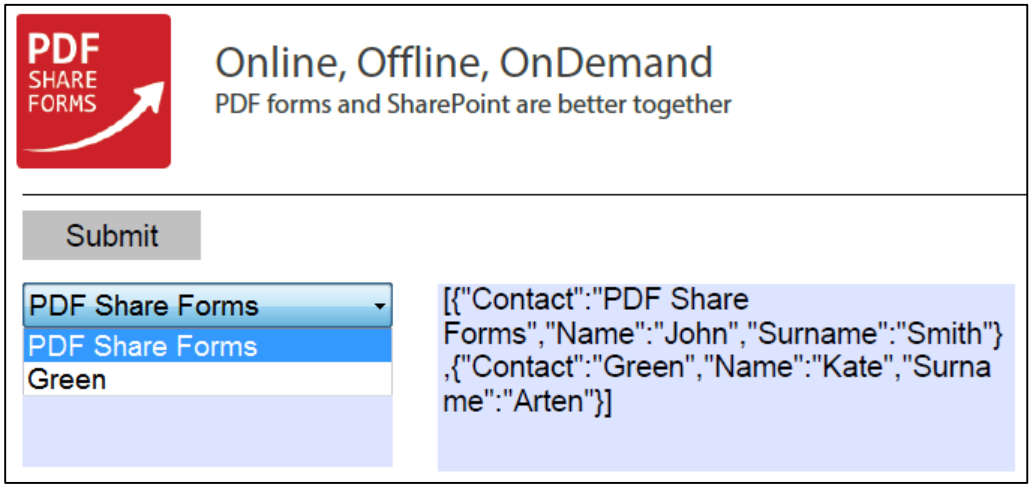
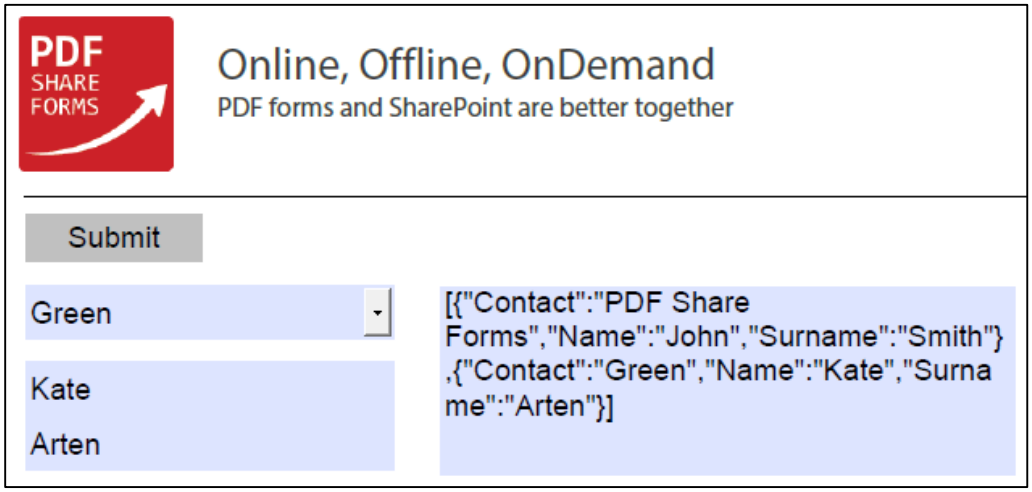
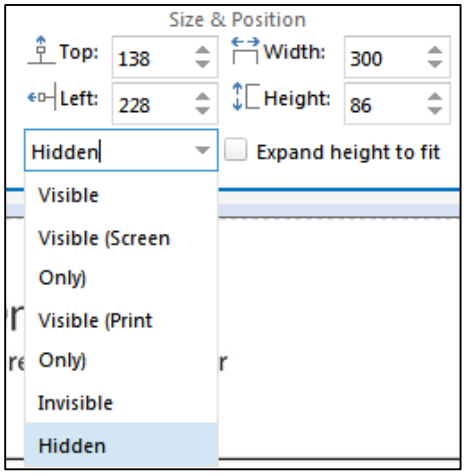
Step 7. Runtime



Step 7.1 Choose dropdown value



NOTE: **MultilineTextField1** should be set to "Hidden". Choose field → **Properties** → **Size & Position**



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